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Rick Grills

**<rgrills@mde.state.md.
us>**

To: Robert Sanchez/R3/USEPA/US@EPA

Subject: Possible Solution to Spectron Shallow Drilling Problems?

03/21/2002 12:34 PM

Just a quick note on a matter that may be of some importance in the upcoming assessment/remediation of the soils above bedrock at Spectron. One of the big challenges of obtaining borings to, or through, the silt layer (for investigation or remediation) is penetrating the construction debris. We recently had a presentation by Prosonic Drilling Corp. about the roto sonic drilling method. The presenter made the claim that this method could penetrate construction debris (wood and concrete). The roto sonic method also takes a continuous core of everything it penetrates in the subsurface. This continuous core will provide much needed samples and stratigraphic information on this little known area of the site.

If these claims are true, we could contract a roto sonic rig for day work to do both our investigatory borings and the remediation borings (to deliver the HRC). It is very likely that a large number of HRC delivery points will be needed for this application. What do you think?

Please pass this to Bernice for her evaluation also.

AR303142